

Attorney Docket No.: DEX-0201
Inventors: Yang et al.
Serial No.: 09/817,607
Filing Date: March 26, 2001
Page 3

This listing of the claims will replace all prior versions
and listings of claims in the application:

Listing of the claims:

Claim 1 (currently amended): An isolated polynucleotide
comprising:

(a) SEQ ID NO: ~~1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13,~~
~~14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29,~~
~~30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45,~~
~~46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56 or 57;~~

~~(b) a fragment of at least 15 contiguous nucleobases of SEQ~~
~~ID NO: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17,~~
~~18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33,~~
~~34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49,~~
~~50, 51, 52, 53, 54, 55, 56 or 57,~~

or

~~(c) (b) a nucleic acid sequence which hybridizes under~~
~~stringent conditions to an antisense sequence of having at least~~
~~95% identity with SEQ ID NO: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,~~
~~12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27,~~
~~28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43,~~
~~44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56 or 57.~~

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Page 4

Claim 2 (canceled)

Claim 3 (original): A vector comprising the polynucleotide of claim 1.

Claim 4 (original): A host cell expressing the vector of claim 3.

Claim 5 (previously amended): A method for producing a polypeptide of a colon specific gene comprising culturing the host cell of claim 4 under conditions which promote expression of the polynucleotide and isolating polypeptide expressed in the cells.

Claim 6 (previously amended): A method for producing a cell expressing a polypeptide of a colon specific gene comprising transforming or transfecting a cell with the vector of claim 3 so that the cell, under appropriate culture conditions, expresses a polypeptide of a colon specific gene.

Claims 7-8 (canceled)

Claim 9 (previously amended): A colon specific gene for diagnosing colon cancer comprising a polynucleotide of claim 1 or a polypeptide encoded thereby.

Claims 10-25 (canceled)